

=====

Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866)  
217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: Mon Aug 13 15:22:57 EDT 2007

=====

Application No: 10584766 Version No: 1.1

Input Set:

Output Set:

Started: 2007-08-13 15:22:40.240  
Finished: 2007-08-13 15:22:40.422  
Elapsed: 0 hr(s) 0 min(s) 0 sec(s) 182 ms  
Total Warnings: 3  
Total Errors: 0  
No. of SeqIDs Defined: 7  
Actual SeqID Count: 7

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)

SUBSTITUTE SEQUENCE LISTING

<110> BEISSERT, STEFAN  
 LOSER, KARIN

<120> MEANS FOR STIMULATION AND ACTIVATION OF HAIR GROWTH BY IL-15

<130> 293024US0PCT

<140> 10/584,766

<141> 2006-06-28

<150> PCT/EP04/013907

<151> 2004-12-07

<150> EP 03029899.6

<151> 2003-12-29

<160> 7

<170> PatentIn version 3.3

<210> 1

<211> 1968

<212> DNA

<213> Homo sapiens

<400> 1

actccgggtg gcaggcgccc gggggaatcc cagctgactc gctcactgcc ttcgaagtcc	60
ggcgcccccc gggaggggaac tgggtggccg caccctcccg gctgcggtgg ctgtcgcccc	120
ccaccctgca gccaggactc gatggaggta cagagctcgg cttctttgcc ttgggagggg	180
agtgggtggtg gttgaaaggg cgatggaatt ttccccgaaa gcctacgccc agggcccctc	240
ccagctccag cgttaccctc cgggtctatcc tactggccga gctgccccgc cttctcatgg	300
ggaaaactta gccgcaactt caatTTTTTgg tttttccttt aatgacactt ctgaggctct	360
cctagccatc ctcccgttc cggaggagcg cagatcgag gtccttttgc ccctggcgtg	420
cgactcccta ctgcgctgcg ctcttacggc gttccaggct gctggctagc gcaaggcggg	480
ccgggcaccc cgcgctccgc tgggaggggtg agggacgcgc gtctggcggc ccagccaag	540
ctgcggggtt ctgagaagac gctgtcccgc agccctgagg gctgagttct gcacccagtc	600
aagctcagga aggccaagaa aagaatccat tccaatatat ggccatgtgg ctctttggag	660
caatgttcca tcatgttcca tgctgctgac gtcacatgga gcacagaaat caatgttagc	720
agatagccag ccatacaag atcgtattgt attgtaggag gcacgtgga tggatggctg	780
ctggaaaccc cttgccatag ccagctcttc ttcaatactt aaggatttac cgtggctttg	840

agtaatgaga atttcgaaac cacatttgag aagtatttcc atccagtgct acttggtgtt 900

acttctaaac agtcattttc taactgaagc tggcattcat gtcttcattt tgggctgttt 960

cagtgcaggg cttcctaaaa cagaagccaa ctgggtgaat gtaataagtg atttgaaaaa 1020

aattgaagat cttattcaat ctatgcatat tgatgctact ttatatacgg aaagtgatgt 1080

tcaccccagt tgcaaagtaa cagcaatgaa gtgctttctc ttggagttac aagttatttc 1140

acttgagtcc ggagatgcaa gtattcatga tacagtagaa aatctgatca tcctagcaaa 1200

caacagtttg tcttctaattg ggaatgtaac agaatctgga tgcaaagaat gtgaggaact 1260

ggaggaaaaa aatattaaag aatttttgca gagttttgta catattgtcc aaatgttcat 1320

caacacttct tgattgcaat tgattctttt taaagtgttt ctgttattaa caaacatcac 1380

tctgctgctt agacataaca aaacactcgg catttcaaat gtgctgtcaa aacaagtttt 1440

tctgtcaaga agatgatcag accttggatc agatgaactc ttagaaatga aggcagaaaa 1500

atgtcattga gtaatatagt gactatgaac ttctctcaga cttactttac tcattttttt 1560

aatttattat tgaaattgta catatttgtg gaataatgta aaatgttgaa taaaaatatg 1620

tacaagtgtt gttttttaag ttgcactgat attttacctc ttattgcaaa atagcatttg 1680

tttaagggtg atagtcaaat tatgtattgg tggggctggg taccaatgct gcagggtcaac 1740

agctatgctg gtaggctcct gcctgtgtgg aaccactgac tactggctct cattgacttc 1800

cttactaagc atagcaaaca gaggaagaat ttgttatcag taagaaaaag aagaactata 1860

tgtgaatcct cttctttaca ctgtaattta gttattgatg tataaagcaa ctgttatgaa 1920

ataaagaaat tgcaataact ggcaaaaaaa aaaaaaaaaa aaaaaaaa 1968

<210> 2

<211> 162

<212> PRT

<213> Homo sapiens

<400> 2

Met Arg Ile Ser Lys Pro His Leu Arg Ser Ile Ser Ile Gln Cys Tyr

1 5 10 15

Leu Cys Leu Leu Leu Asn Ser His Phe Leu Thr Glu Ala Gly Ile His

20 25 30

Val Phe Ile Leu Gly Cys Phe Ser Ala Gly Leu Pro Lys Thr Glu Ala

35 40 45

Asn Trp Val Asn Val Ile Ser Asp Leu Lys Lys Ile Glu Asp Leu Ile  
50 55 60

Gln Ser Met His Ile Asp Ala Thr Leu Tyr Thr Glu Ser Asp Val His  
65 70 75 80

Pro Ser Cys Lys Val Thr Ala Met Lys Cys Phe Leu Leu Glu Leu Gln  
85 90 95

Val Ile Ser Leu Glu Ser Gly Asp Ala Ser Ile His Asp Thr Val Glu  
100 105 110

Asn Leu Ile Ile Leu Ala Asn Asn Ser Leu Ser Ser Asn Gly Asn Val  
115 120 125

Thr Glu Ser Gly Cys Lys Glu Cys Glu Glu Leu Glu Glu Lys Asn Ile  
130 135 140

Lys Glu Phe Leu Gln Ser Phe Val His Ile Val Gln Met Phe Ile Asn  
145 150 155 160

Thr Ser

<210> 3  
<211> 1312  
<212> DNA  
<213> Mus musculus

<400> 3

ccacgcgtcc gcaataactca gtggcactgt attccccttc tgtccagcca ctcttcccca	60
gagttctctt cttcatcctc ccccttgtag agtagggcag cttgcaggtc ctcttgcaag	120
tctctcccaa ttctctgcgc caaaagact tgcagtgcac ctccttacgc gctgcaggga	180
ccttgccagg gcaggactgc ccccgcccag ttgcagagtt ggacgaagac gggatcctgc	240
tgtgtttgga aggctgagtt ccacatctaa cagctcagag agaatccacc ttgacacatg	300
gccctctggc tcttcaaagc actgcctctt catggtcctt gctggtgagg tccttaagaa	360
cacagaaacc catgtcagca gataaccagc ctacaggagg ccaagaagag ttctggatgg	420
atggcagctg gaagcccacg gccatagcca gctcatcttc aacattgaag ctcttacctg	480

ggcattaagt aatgaaaatt ttgaaaccat atatgaggaa tacatccatc tcgtgctact 540  
tgtgtttcct tctaaacagt cacttttttaa ctgaggctgg cattcatgtc ttcattttgg 600  
gctgtgtcag tgtaggtctc cctaaaacag aggccaactg gatagatgta agatatgacc 660  
tggagaaaat tgaaagcctt attcaatcta ttcatatga caccacttta tacactgaca 720  
gtgactttca tcccagttgc aaagttactg caatgaactg ctttctcctg gaattgcagg 780  
ttatttttaca tgagtacagt aacatgactc ttaatgaaac agtaagaaac gtgctctacc 840  
ttgcaaacag cactctgtct tctaacaaga atgtagcaga atctggctgc aaggaatgtg 900  
aggagctgga ggagaaaacc ttcacagagt ttttgcaaag ctttatacgc attgtccaaa 960  
tgttcatcaa cacgtcctga ctgcatgcga gcctcttccg tgtttctggtt attaaggtac 1020  
ctccacctgc tgctcagagg cagcacagct ccatgcattt gaaatctgct gggcaaatta 1080  
agcttcctaa caaggagata atgagccact tggatcacat gaaatcttgg aatgaagag 1140  
aggaaaagag ctctgtctcag acttattttt gcttgcttat ttttaattta ttgcttcatt 1200  
tgtacatatt tgtaatataa cagaagatgt ggaataaagt tgtatggata ttttatcaat 1260  
tgaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aa 1312

<210> 4  
<211> 162  
<212> PRT  
<213> Mus musculus

<400> 4

Met Lys Ile Leu Lys Pro Tyr Met Arg Asn Thr Ser Ile Ser Cys Tyr  
1 5 10 15  
  
Leu Cys Phe Leu Leu Asn Ser His Phe Leu Thr Glu Ala Gly Ile His  
20 25 30  
  
Val Phe Ile Leu Gly Cys Val Ser Val Gly Leu Pro Lys Thr Glu Ala  
35 40 45  
  
Asn Trp Ile Asp Val Arg Tyr Asp Leu Glu Lys Ile Glu Ser Leu Ile  
50 55 60  
  
Gln Ser Ile His Ile Asp Thr Thr Leu Tyr Thr Asp Ser Asp Phe His  
65 70 75 80

Pro Ser Cys Lys Val Thr Ala Met Asn Cys Phe Leu Leu Glu Leu Gln  
85 90 95

Val Ile Leu His Glu Tyr Ser Asn Met Thr Leu Asn Glu Thr Val Arg  
100 105 110

Asn Val Leu Tyr Leu Ala Asn Ser Thr Leu Ser Ser Asn Lys Asn Val  
115 120 125

Ala Glu Ser Gly Cys Lys Glu Cys Glu Glu Leu Glu Glu Lys Thr Phe  
130 135 140

Thr Glu Phe Leu Gln Ser Phe Ile Arg Ile Val Gln Met Phe Ile Asn  
145 150 155 160

Thr Ser

<210> 5  
<211> 25  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Oligonucleotide

<400> 5

caatgatata cactgtttga gatga 25

<210> 6  
<211> 23  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Oligonucleotide

<400> 6

cgtgttgatg aacatttgga caa 23

<210> 7  
<211> 1250  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic Construct

cttctgtcca gccactcttc cccagagttc tcttcttcat cctccccctt gcagagtagg	60
gcagcttgca ggtcctcctg caagtctctc ccaattctct gcgccccaaa gacttgcagt	120
gcatctcctt acgcgctgca gggaccttgc cagggcagga ctgccccgc ccagttgcag	180
agttggacga agacgggatc ctgctgtgtt tggaaggctg agttccacat ctaacagctc	240
agagaggtca ggaaagaatc caccttgaca catggccctc tggctcttca aagcactgcc	300
tcttcatggg ccttgctggg gaggtcctta agaacacaga aacccatgtc agcagataac	360
cagcctacag gaggccaaga agagttctgg atggatggca gctggaagcc catcgccata	420
gccagctcat cttcaacatt gaagctctta cctgggcatt aagtaatgaa aattttgaaa	480
ccatatatga ggaatacatc catctcgtgc tacttgtgtt tccttctaaa cagtcacttt	540
ttaactgagg ctggcattca tgtcttcatt ttgggctgtg tcagtgtagg tctccctaaa	600
acagaggcca actggataga tgtaagatat gacctggaga aaattgaaag ccttattcaa	660
tctattcata ttgacaccac tttatacact gacagtgact ttcatcccag ttgcaaagtt	720
actgcaatga actgctttct cctggaattg caggttatth tacatgagta cagtaacatg	780
actcttaatg aaacagtaag aaacgtgctc taccttgcaa acagcactct gtcttctaac	840
aagaatgtag cagaatctgg ctgcaaggaa tgtgaggagc tggaggagaa aaccttcaca	900
gagtttttgc aaagctttat acgcattgtc caaatgttca tcaacacgtc ctgactgcat	960
gcgagcctct tccgtgtttc tgttattaag gtacctccac ctgctgctca gaggcagcac	1020
agctccatgc atttgaaatc tgctgggcaa actaagcttc ctaacaagga gataatgagc	1080
cacttggatc acatgaaatc ttggaaatga agagaggaaa agagctcgtc tcagacttat	1140
ttttgcttgc ttatthtttaa tttattgctt catttgtaca tatthtgtaat ataacagaag	1200
atgtggaata aagttgtatg gatathttat caattgaaat ttaaaaaaaaa	1250